

Appendix 3 (as supplied by the authors): Regression Equations to predict BMI Prevalence in Canada and Provinces: 2013-2019

BMI Category	Normal	Overweight	Obese	Obese Class I	Obese Class II	Obese Class III
Canada	$y = -0.7086x + 49.38$	$y = 0.0543x + 33.627$	$y = 0.694x + 14.254$	$y = 0.4114x + 10.66$	$y = 0.1857x + 2.5333$	$y = 0.0971x + 1.06$
NL	$y = -1.6057x + 40.853$	$y = 0.1743x + 38.273$	$y = 1.5286x + 19.333$	$y = 1.1057x + 13.98$	$y = 0.24x + 3.8933$	$y = 0.1829x + 1.46$
PEI	$y = 0.4x + 38.333$	$y = -0.7971x + 39.173$	$y = 0.5944x + 20.086$	$y = 0.5x + 14.067$	$y = 0.0086x + 4.2532$	$y = 0.1657x + 1.5867$
NS	$y = -1.0896x + 43.248$	$y = 0.4256x + 34.294$	$y = 0.7856x + 19.834$	$y = 0.337x + 14.321$	$y = 0.2857x + 3.9001$	$y = 0.1629x + 1.6132$
NB	$y = -0.9057x + 42.053$	$y = -0.1287x + 36.034$	$y = 1.12x + 19.48$	$y = 0.4888x + 14.505$	$y = 0.4771x + 3.0802$	$y = 0.1976x + 1.7959$
QB	$y = -0.9886x + 52.627$	$y = 0.217x + 32.441$	$y = 0.803x + 12.206$	$y = 0.6656x + 8.8871$	$y = 0.0686x + 2.4265$	$y = 0.0743x + 0.8733$
ON	$y = -0.6257x + 48.673$	$y = 0.017x + 34.007$	$y = 0.6857x + 14.3$	$y = 0.3457x + 10.84$	$y = 0.2486x + 2.3799$	$y = 0.1143x + 1.0666$
SK	$y = -0.7229x + 42.947$	$y = 0.3143x + 34.533$	$y = 0.5114x + 19.927$	$y = 0.32x + 14.313$	$y = 0.057x + 4.1005$	$y = 0.1514x + 1.4535$
MB	$y = -1.1229x + 45.98$	$y = 0.2656x + 34.554$	$y = 0.8657x + 16.987$	$y = 0.5286x + 12.033$	$y = 0.1114x + 3.8268$	$y = 0.2143x + 1.1666$
AB	$y = -0.5486x + 47.587$	$y = -0.2244x + 35.011$	$y = 0.76x + 14.973$	$y = 0.3743x + 11.373$	$y = 0.2829x + 2.5265$	$y = 0.1029x + 1.0398$
BC	$y = -0.3944x + 53.614$	$y = -0.017x + 31.893$	$y = 0.397x + 11.727$	$y = 0.2857x + 8.8001$	$y = 0.06x + 2.1067$	$y = 0.0657x + 0.7201$